

NEWS LETTER

Society of American Bacteriologists

P. Sack
FILE COPY

OFFICE OF THE
SECRETARY-TREASURER

STERLING WINTHROP RESEARCH INSTITUTE
RENSSELAER, N. Y.

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NUMBER 2

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Invited Members (Nonvoting):

R. Porter, Editor-in-Chief, THE JOURNAL OF BACTERIOLOGY; P. W. Wilson, Editor-in-Chief, BACTERIOLOGICAL REVIEWS; H. B. Woodruff, Editor-in-Chief, APPLIED MICROBIOLOGY; Orville Wyss, Chairman of the Program Committee; Carl Lamanna, Chairman of the Division of General Bacteriology; H. M. Rose, Chairman of the Division of Medical Bacteriology, Immunology and Comparative Pathology; R. V. Hussong, Chairman of the Division of Agricultural and Industrial Bacteriology; R. E. Kallio, Chairman of the Division of Physiology; and J. H. Richardson, Supervisor of Local Branches

Council Policy Committee:

C. B. Van Niel, <i>Chairman</i>	J. H. Bailey, <i>Secretary</i>
G. M. Dack	H. O. Halvorson
W. W. Umbreit (1954)	C. A. Stuart (1955)
	J. E. Blair (1956)
	J. R. Porter

LEO FREDERICK RETTGER

1874-1954

Leo F. Rettger, a charter member and a past President of the Society, died at his home in New Haven on January 7, 1954. He would have been 80 on March 17th. On the day of his death he was to have been honored at the annual meeting of the Connecticut Poultry Association in Hartford for his work in eradicating pullorum disease, once one of the chief killers of young chicks.

He had identified *Salmonella pullorum* as the cause of this disease in 1909 and followed this discovery by developing a method of testing commercial flocks of chickens for the disease. This method was introduced in Connecticut in 1914, and since then it has been universally adopted, so that certified pullorum-free chicks are now available.

Professor Rettger had also been recognized for this work in 1931, when his alma mater, Indiana University, awarded him an honorary Doctor of Laws degree.

While he was best known for his work on pullorum disease, his interests in bacteriology were broad, and he had published work in many fields. It is of interest to note, in view of the current importance of antibiotics, that as early as December 1904 he read a paper before the Society, at its Philadelphia meeting that year, on "The antagonism of bacteria and their products to other bacteria." During his long teaching career he trained a host of bacteriologists, and

his students are to be found in all parts of the country.

He retired in 1942 after 40 years of service on the Yale faculty. At the time of his retirement he was Chairman of the Department of Bacteriology.

Born in Huntingburg, Ind., March 17, 1874, he was the son of the late John Henry and Marcy C. W. Rettger. He was graduated from the Indiana State Teachers College in 1894 and received his B.A. degree from the University of Indiana in 1896. After receiving his M.A. degree from the University of Indiana in 1897, he received his Ph.D. degree from Yale in 1902. He had also studied at the University of Strassburg.

He served as an assistant in bacteriology and chemistry at the University of Indiana from 1897 to 1900. He joined the Yale faculty as an Instructor in Bacteriology in 1902, and was named Assistant Professor of Bacteriology and Hygiene in 1906. He was promoted to the rank of Professor in 1919.

Professor Rettger served as Chairman of the Department of Bacteriology, Pathology and Public Health at Yale from 1928 to 1931, and in 1933 was named Chairman of the Department of Bacteriology.

He had been a Research Fellow for the Rockefeller Institute for Medical Research from 1903 to 1906 and served as part time bacteriologist in charge of animal diseases at the Storrs Agricultural Experiment Station from 1908 to 1946.

He had served as a Visiting Lecturer in Bacteriology at Wesleyan University in Middletown, Conn., during the academic year 1916-17.

Professor Rettger was the author of two books, "Intestinal Flora," and "Animal Diseases," and had contributed numerous papers to scientific and medical journals. He had established a scholarship fund at Yale for the use of graduate students.

He was a member of the Society of American Bacteriologists, which he served as President in 1916, and also belonged to the North American Conference of Research Workers in Animal Diseases, an organization which elected him President in 1932. He was also a member of Sigma Xi, Delta Omega and Phi Gamma Delta.

His wife, Clara V. Snyder, died in February, 1952. He leaves a son, James Frederick Rettger of Washington, D. C.

PHILIP B. COWLES

NOTICE

Members are requested to address all correspondence concerning applications for membership, payment of dues, changes of address, lost copies of the *Journals*, resignations and the like directly to:

Society of American Bacteriologists

Mr. Francis C. Harwood,

Business Manager

Mt. Royal and Guilford Avenues

Baltimore 2, Maryland

Remittances should be made payable to:
Society of American Bacteriologists.

THE SIXTH INTERNATIONAL CONGRESS FOR MICROBIOLOGY AND THE INTERNATIONAL ASSOCIATION OF MICROBIOLOGICAL SOCIETIES

The sixth International Congress for Microbiology was held in the University City, Rome, September 6 to 12, 1953. More than two thousand microbiologists from every continent and from

practically every scientifically developed country in the world were in attendance. For the first time since the Congress in London in 1936 no principal country was unrepresented. The Congress

was notable for the excellence of the organization and the generosity of the hospitality by the Italian committee and the Italian government.

The scientific program of the Congress was conducted in twenty-two sections, which heard contributed papers, and in six Symposia, in which the communications were by invitation. The summaries of the communications were pre-printed and distributed at the Congress. The full Proceedings will go to press this winter. The six Symposia were also published as Supplements to the *Rendiconti dell' Istituto Superiore di Sanita* and were available at the Congress. They will be distributed throughout the British Commonwealth, except in Canada, and in continental Europe by Blackwell Scientific Publications Limited, Oxford, England, and in the United States, Canada and South America by Charles C. Thomas, Springfield, Illinois. The Symposia are: Bacterial Cytology, pp. 181; Microbial Metabolism, pp. 143; Nutrition and Growth Factors, pp. 196; Growth Inhibition and Chemotherapy, pp. 142; Actinomycetales, Morphology, Biology and Systematics, pp. 221; Interaction of Viruses and Cells, pp. 110.

The representatives of twenty-five national societies met twice as the International Association of Microbiologists and adopted permanent statutes which provide for a continuing organization, the International Association of Microbiological Societies (IAMS). IAMS is a component of the International Union of Biological Sciences, which is a component of the International Council of Scientific Unions, itself a component of UNESCO.

The Statutes adopted are as follows:

Microbiologists of the whole world, meeting in Rome for their 6th International Congress for Microbiology, anxious to advance scientific research within the realm of microbiological studies and to assist the various microbiological societies or institutions existing in the various countries, resolve to join in an international association of national societies and institutions, and formulate the following Statutes, to replace the existing Provisional Statutes.

Article 1

The name of the Association is International Association of Microbiological Societies (IAMS).

Article 2

The objects of the Association are:

- a) to ensure the continuity of International Congresses for Microbiology and organise other meetings and symposia;
- b) to encourage research in microbiology;
- c) to encourage the establishment of fellowships to enable microbiologists of component

nations to pursue study and investigation abroad;

- d) to maintain contact with microbiological societies throughout the world;
- e) to maintain international committees on nomenclature and such other subjects as may be appropriate;
- f) to maintain contact with relevant United Nations Organizations.

Article 3

Any country wishing to become a member of the Association shall make application through a national microbiological society or organization of microbiological societies or if there is no microbiological society a scientific institution in that country. Only one society or institution shall be recognized by the Executive Committee for this purpose.

Article 4

Societies for microbiology may group themselves into regional organizations, within the IAMS, should such an arrangement seem desirable to the societies of a given region.

Article 5

The organs of the Association shall be constituted by the national representatives assembled in General Meeting, and by the Executive Committee.

- a) the General Meeting shall be formed by one, or at a maximum of three delegates representative of each country, but each country shall be entitled to only a single vote.

The General Meeting is endowed with full power and shall pass resolutions on all activities concerning the Association; it shall elect the Executive Committee and ratify the balance-sheet.

The resolutions will be taken by a simple majority of the present members.

The General Meeting shall meet at every International Congress for Microbiology.

- b) the Executive Committee shall be composed of a President, two vice-Presidents, a Secretary General and a Treasurer; it shall stay in power until the next Congress.

The Executive Committee shall pass resolutions concerning the motions of the General Meeting, approve budget, unfold its activity in compliance with art. 2; it shall submit the balance-sheet to the next following General Meeting and be responsible for its activities to the General Meeting.

The Members of the Executive Committee are allowed to pass resolutions by correspondence.

Article 6

The Association shall have its legal seat where the Secretary General has his headquarters.

It shall normally be represented by the President or by the Secretary General. With the approval of the Executive Committee any other microbiologist may be appointed to represent the Association.

Article 7

The financial business of the Association including recommendations on the size of subscriptions shall be conducted by the Executive Committee. The Executive Committee may accept donations and legacies.

Article 8

The rules of the Association shall be laid down at a General Meeting. Any associated country shall be entitled to propose an alteration in the rules by giving at least six months notice to the Secretary General.

The following officers of IAMS were elected: President: Sir Macfarlane Burnet, Melbourne, Australia; Vice-Presidents: Dr. Ashley A. Miles, London, England, and Dr. Stuart Mudd, Philadelphia, U.S.A.; Secretary-General: Dr. Giuseppe Penso, Istituto Superiore di Sanità, Rome, Italy; Treasurer: Dr. M. Welsch, Liège, Belgium.

The time and place of the next Congress was left to the discretion of the officers. The consensus seemed to be that it would be desirable to have the next Congress somewhere in Europe, principally because of easier accessibility to the greatest number of microbiologists, but no specific invitation has yet been received.

STUART MUDD

JOURNAL OF BACTERIOLOGY

Annual Report 1953

Five members (R. E. Buchanan, C. E. Clifton, P. R. Edwards, Georges Knaysi, and N. R. Smith) of the Editorial Board completed their term in 1953. The editor wishes to take this opportunity to thank these members for their great service to the *Journal* and the Society.

The *Journal* began using a double-column format, smaller type, and narrower margins in 1953. These changes have made possible certain economies, such as the publication of more articles during the year.

A cumulative author and subject index covering volumes 31 (1936) through 64 (1952) was published by Williams and Wilkins in August. The editorial preparation of the index was supported in part by the Microbiology Branch of the Office of Naval Research.

The activities of the *Journal* have continued to

grow during 1953. The accompanying tabulation shows the disposition of manuscripts and certain pertinent data on the papers published during the year.

Number of mss. under consideration January 1, 1953.....	48
Number of new mss. received during 1953....	404
Number of mss. accepted during 1953.....	283*
Number of mss. returned to authors for corrections and modifications during 1953.....	127
Number of mss. rejected during 1953.....	128†
Number of mss. under consideration December 31, 1953.....	34‡
Number of mss. accepted and awaiting publication December 31, 1953.....	121
Number of articles published during 1953.....	276
Illustrations:	
Halftones (49 + 54).....	103
Line cuts (204 + 186).....	390
Tables (286 + 308).....	594
Pages printed (766 + 738).....	1504
Average length (pages) of articles.....	5.4

* Includes 6 mss. received as multiple mss. and subsequently condensed, and 1 ms. re-entered as 2 mss.

† Figure includes: mss. referred to other journals, 10; mss. withdrawn by authors, 3.

‡ Figure includes: mss. in hands of reviewers, 17; mss. in hands of authors to consider reviewer's comments, 8; mss. in Editorial Office, 9.

During the year more manuscripts were received (19) and more papers were published (51) than in 1952. However, the backlog of accepted articles awaiting publication remains high (121).

The accompanying tabulation shows the expenditures of the Editorial office for 1953.

Income:	
Balance on hand January 1, 1953.	\$302.00
Received from Williams and Wilkins.....	3400.00
Total.....	\$3702.00
Expenditures:	
Editorial Assistant.....	2560.00
Postage, office supplies, etc.....	817.18
Total.....	3377.18
Balance on hand December 31, 1953.....	324.82

J. R. PORTER
Editor

REPORT FOR BACTERIOLOGICAL REVIEWS

Noteworthy events in the 1953 history of *Bacteriological Reviews* include: (a) publication of our yearly page allotment for the first time since

1950; (b) the accumulation of a healthy backlog of manuscripts; (c) the publication of three monographic types of reviews. Each of these achievements will be briefly discussed.

In 1953 12 papers (337 pages) were published in comparison with 11 papers (260 pages) in 1952. The considerable increase in the number of pages (which utilized our quota of 320 plus 17 remaining from the previous years) reflected the publication of two monographic types of review and one symposium. In addition, through special arrangement with the National Foundation for Infantile Paralysis, a third monograph of 110 pages was published as a complete supplemental issue. It should be noted that this occasional type of publication was undertaken as an experiment, and that its publication was without cost to the Society. All members and other subscribers, however, received this issue *gratis* as a year-end bonus.

The accumulation of a considerable backlog of manuscripts is not an unmixed blessing. Although it relieves the editorial office of many difficulties associated with the processing of manuscripts and provides contributor, reader and editor with the leisure essential for the best review, the accompanying delay in publication is often

undesirable. The modest accumulation of pages from operations of the past few years and the change of format to double column will allow an increase in the number of reviews in 1954, but we already have on hand or have returned to the authors for final revision sufficient manuscripts to complete volume 18. If this backlog of manuscripts is not materially decreased in 1954, it may be necessary to reexamine the function of the *Reviews* in the publication program of the Society, particularly with regard to the printing of symposia and the monographic type of contribution. It may be necessary either to discontinue publication of these more extensive types of manuscripts or to make specific arrangements for additional pages.

In the meantime, to furnish a proper balance of the material published, *Bacteriological Reviews* has a real need for the short type of summary of the literature in a limited field. Our goal is to have two reviews of medium size (20-25 pages) and two of the shorter (10-15 pages) per issue. The backlog of the former is reassuring, but we still can handle more of the latter.

PERRY W. WILSON
Editor

REPORT OF THE SECRETARY-TREASURER

1953 was an active year in the publication sphere of the Society's functions. The cumulative index to Volumes 32 to 64 (1937 to 1952) was available at the San Francisco meeting and was delivered to purchasers shortly thereafter. The preparation of the index was undertaken by Dr. J. R. Porter in addition to his regular duties as Editor of the Journal and the Society is deeply indebted to him for his efforts in producing this valuable key to the papers that have appeared in the Journal. The new format of the Journal allowed the printing of 276 articles in a total of 1504 pages. This is a 22% increase in the number of papers published over 1952 and at no increase in cost to the members. A renegotiation of our Bacteriologic Reviews publishing agreement with Williams and Wilkins was accomplished that calls for a two column format with the attending increase in material possible per page. This agreement becomes operative January 1954. Bacteriological Reviews published a supplement issue of 110 pages, made possible by the National Foundation for Infantile Paralysis. Applied Microbiology ended its first year of publication in a highly satisfactory condition. In response to expressed interest, Alice in Virusland was reprinted and is again available to anyone interested in obtaining a copy at \$1.25 through the Business Office.

The Committee on Curricula, under the Chairmanship of Dr. C. A. Evans, has prepared a statement to describe for interested students, faculty

and college administrators, the nature of training considered desirable for those who are to work in the field of bacteriology and expecting to enter employment at a level comparable to that of persons with a bachelor's degree in chemistry or engineering. It is believed that this statement will become a guide to students in choosing a school and thereby act as an expression of minimum standards for college administrators.

Negotiations are still continuing with the American Medical Association on Certification in Medical Microbiology. The Committee on Certification and Problems of Personnel is at present conducting a poll of the membership to determine in which fields of bacteriology interest in a certification program exists.

The Society has recognized the Manual for Pure Culture Study of Bacteria as the property of the Society and has agreed to reimburse the Stain Commission, the present publishers, for any inventory remaining when the Society takes over the Publication of the Manual in book form.

The Business Office

The Business Managerial Service provided by Williams and Wilkins has continued to be eminently satisfactory to the Society. Without this service it is highly questionable that the Society could function without the services of a full time Secretary-Treasurer. Some idea of the magnitude of the routine duties performed by the Business

Office may be illustrated by the fact that there were over 2000 changes of address made in the period between the publication of the 1952 Directory and that of 1953. The agreement between Williams and Wilkins and the Society for this service entered into for 1953 has been renewed on the same basis for 1954.

Membership

Membership continued to grow but at a lower rate than in the past few years. On December 31, 1953 the Society had a total membership of 5,093, a gain of 276 over 1952. There were 4,920 paid up members, of which 603 were new, 90 sustaining members, 5 honorary, 14 corresponding, 13 retired and 51 emeritus members. The ratio of two new members to 1 old member lost by death, resignation and failure to pay the dues noted for the past few years continued for 1953. A comparison with 1952 shows 38 more losses of old members and 61 fewer new members added in 1953.

Financial

The financial experience of the Society during 1953 was rather fortunate. The Journal and Bacteriological Reviews showed a good profit on their

operations. Subscription sales increased \$11,279.13 and advertising income \$1236.38. Notwithstanding increased printing costs, the Society's profit on the Journal and Bacteriological Reviews for 1953 amounted to \$9,757.86. Much of this profit is due to the large number of non member subscribers and to good management on the part of our editors and the publishers.

The first year's operation of Applied Microbiology resulted in a small deficit—\$2,129.75 due largely to high marketing costs. As the subscription list increases the marketing costs are expected to decrease and advertising income increase. It is hoped that within a relatively short time Applied Microbiology will not only be paying its way but showing a profit.

The Society's income, on an accrual basis, was \$62,652.95 but expenditures amounted to \$59,382.18, leaving an operating gain of \$3,270.77. By taking advantage of the market for Government securities existing during part of the year, the Society's holdings of Government bonds was increased by \$1000 (maturity value) without cost to the Society. The financial statements for the Society for 1953, consisting of Cash Statement, Income, Expense and Reserve (Accrual Basis) and Balance Sheet follow:

SOCIETY OF AMERICAN BACTERIOLOGISTS

CASH STATEMENT

Calendar Year—1953

Receipts

Balance 12/31/52.....	14851.49		
1953—Active— 468 New.....	4180.00		
1953—Active—1628 Renewals.....	14589.96		
1954—Active— 36 New.....	530.75		
1954—Active—2809 Renewals.....	25216.40		
1953—Sustaining— 3 New.....	150.00		
1953—Sustaining—19 Renewals.....	950.00		
1954—Sustaining— 0 New.....	—		
1954—Sustaining—75 Renewals.....	3750.00		
Dues for Refund (Credit).....	46.25		
Back Dues ('43-'52).....	275.50		
Future Dues ('55-'58).....	65.96		
Award Grants.....	2300.00		
Sales of Proceedings.....	183.00		
Applied Mic. Subs., Debit.....	119.25		
Annual Meeting 1953.....	4690.46		
Alice in Virusland Sales.....	106.40		
Refund from W & W for 1952 Man. Serv.....	2050.99		
1952 Profit on JB from W & W.....	7317.49		
Income from Biotech. Publ.....	722.52		
Contri. from USN for Cum. Index.....	2500.00		
Cum. Index Debit.....	105.00	2605.00	
Interest Income.....	907.97		
Securities Sold.....	10705.18		
Miscellaneous Other Income.....	673.30	82136.38	96987.87

Disbursements

Sec'y-Treas. Expenses.....	3107.80	
W & W—JB Subscriptions—1953.....	17096.00	
W & W—JB Subscriptions—1954.....	23504.00	
W & W—JB Subscriptions—1955.....	56.00	40656.00
1953 News Letter.....	2429.31	
1953 Directory.....	2179.47	
W & W Managerial Services.....	8037.00	
Dues Refunded (Debit).....	52.00	
1953 Annual Meeting.....	6190.50	
1954 Annual Meeting.....	454.50	
Applied Mic. Subs. Credit.....	119.25	
Cum. Index Cost.....	700.00	
Cum. Index Credit.....	105.00	805.00
Alice in Virusland Cost.....	375.00	
Com. on Mat. for Vis. Instr.....	193.32	
Awards.....	2300.00	
Securities Purchased.....	11459.18	
Miscellaneous Expenses.....	218.07	78576.40
Cash Balance 12/31/53.....		18411.47

SCHEDULE A

THE WILLIAMS & WILKINS COMPANY

Managerial Service for Society of American Bacteriologists

PROFIT & LOSS STATEMENT

Calendar Year 1953

Income.....	\$8037.00
Expenses:	
Payroll (Clerical & Administrative).....	\$4681.47
Stationery, Postage, etc.....	876.94
	\$5558.41
Rent, Light, Heat, Use of Equipment (15% of expenditures).....	833.76
	6392.17
Profit (to be refunded in 1954).....	\$1644.83

SOCIETY OF AMERICAN BACTERIOLOGISTS

1953 INCOME, EXPENSES & RESERVE

Accrual Basis

Income		
1953—Active Members— 135 New rec'd 1952.....	1215.00	
1953—Active Members— 468 New rec'd 1953.....	4180.00	5395.00
1953—Active Members—2689 Ren. rec'd 1952.....	24111.06	
1953—Active Members—1628 Ren. rec'd 1953.....	14589.96	38701.02
1953—Sustaining Mem.— 3 New rec'd 1953.....		150.00
1953—Sustaining Mem.— 68 Ren. rec'd 1952.....	3400.00	
1953—Sustaining Mem.— 19 Ren. rec'd 1953.....	950.00	4350.00

Dues for Refund (Credit).....	46.25	
Profit on JB from W & W—1952.....	7317.49	
1953 Income from Biotech Publ.....	722.52	
Award Grants (Lilly & Com'l. Solv.).....	2300.00	
1953 Sales of Proceedings.....	183.00	
1953 Sales, Alice in Virus.....	106.40	
Interest Income.....	907.97	
Cum. Index—Contribution USN.....	2500.00	
Cost of Cum. Index.....	700.00	1800.00
Miscellaneous Other Income.....	673.30	62652.95
<i>Disbursements:</i>		
Sec.-Treas.:.....	3107.80	
W & W Subs. (5010 × \$8.00).....	40080.00	
1953 Directory.....	2179.47	
W & W Managerial Service.....	8037.00	
Less: Refund for 1953 (to be paid in 1954).....	1644.83	6392.17
1953 News Letter.....	2429.31	
Dues Refunded (Debit).....	52.00	
1953 Annual Meeting—Expenses Pd. 1953.....	6190.50	
Expenses Pd. 1952.....	550.00	
	6745.50	
Income 1953.....	4690.46	2055.04
Alice in Virusland—Cost Mfg.....	375.00	
Com. on Mat. for Vis. Instr.....	193.32	
Awards (Lilly & Com'l. Solv.).....	2300.00	
Miscellaneous Expenses.....	218.07	59382.18
Balance.....		3270.77
		62652.95

SOCIETY OF AMERICAN BACTERIOLOGISTS

BALANCE SHEET

December 31, 1953

Assets

Cash—Checking Account.....	8407.99	
Savings Account.....	10003.48	18411.47
U. S. Bonds, Series F		
(Maturity Value—\$8,000)		
Redemptive Value 1/1/53.....	6943.00	
1953 Appreciation.....	216.00	7159.00
U. S. Treasury Bonds (2½%).....	31444.25	
Accounts Receivable (Loans)		
Subcommittee on Certification and Problems of Personnel.....	2000.00	
Accrued Assets—Expenses of 1954 Annual Meeting		
Paid in 1952.....	500.00	
Paid in 1953.....	454.50	954.50
		59969.22

Liabilities & Surplus:

<i>Deferred Liabilities</i>		
1954 Annual Meeting Cost Paid 1952 & 1953.....	954.50	
1954 Dues Paid in 1953.....	5995.00	
1955 Dues Paid in 1953.....	7.00	

Reserve for Biotech. Publication.....	1300.00		
Reserve for 1954 Directory.....	2800.00		
Reserve for 1955 Annual Meeting.....	2500.00		
Reserve for N. Y. Tax Case Legal Fees.....	500.00	14056.50	
Surplus			
Invested Capital.....	38603.25		
Earned Surplus.....	907.97		
Unearned Surplus.....	6401.50	45912.72	59969.22

SCHEDULE B

Financial Statement Journal of Bacteriology and Bacteriological Reviews 1953

INCOME

Subscription Sales.....	\$80,807.24
42 Excess pages trans. from Reserve.....	1,480.92
Space Sales.....	14,763.62
Total Revenue.....	\$97,051.78

EXPENDITURES

Printing cost of text	1520 pp J.B.	
	342 pp B.R.	
	1862 pp.....	\$46,255.63
Printing cost of Advertising Section.....		6,946.64
Postage.....		3,860.19
Mail List.....		1,106.97
Editorial Costs.....		7,674.80
Marketing Costs.....		170.54
Overhead Expense.....		12,514.00
Total Expenses.....		\$78,528.77
Profit, Current Issues.....		18,523.01
Back Volume Sales.....		982.71
Other Revenue or Expense		
Cr. from sale of Reprints.....		38.53
Mfg. cost of Reprints.....		28.53
Net surplus for year.....		\$19,515.72
50% to W and W.....		\$9,757.86
50% to S.A.B.....		9,757.86
Paid Subscriptions	J.B. Member	4,947
	J.B. Non Member	3,087
	J.B. Total	8,034
	B.R. Non Member	234

SCHEDULE C

Financial Statement Applied Microbiology

INCOME

Subscription Sales.....	\$13,285.87
56 Unpublished pages trans. to Reserve.....	1,860.02
	\$11,425.85
Space Sales.....	829.38
Total Revenue.....	\$12,255.23

EXPENDITURES

Printing cost of text 344 pages.....	\$7,158.37
Printing cost of Advertising Section.....	347.55
Postage.....	218.87
Mail List.....	342.81
Editorial Costs.....	1,167.00
Marketing Costs.....	3,585.38
Overhead Expense.....	1,565.00
Total Expenses.....	\$14,384.98
Loss Current Issues.....	2,129.75
Deficit for Year.....	2,129.75
Paid Subscriptions—1,769	

1954 BUDGET

Income

Active Members (5010 × \$9).....	\$45,090.00
Sustaining Members (89 × \$50).....	4,450.00
Profit from Journal.....	9,757.00
Profit from Biotech Publications.....	300.00
Award Grants.....	2,300.00
Reserve for 1954 meeting.....	2,000.00
Total Income.....	\$63,897.00

Expense

Subscriptions of members, active sustaining and honorary (5100 × \$8).....	\$40,800.00
Managerial Service.....	7,650.00
Secretary Treasurer's Office	
Office Expense and Travel.....	2,800.00
Society Expense.....	2,000.00
News Letter.....	2,850.00
Committee on Material for Visual Instruction on Microbiology.....	200.00
Awards.....	2,300.00
1954 Meeting.....	3,500.00
1955 Meeting.....	500.00
Federal Income Tax Case.....	500.00
Booklet Bacteriology as a Career.....	500.00
Surplus.....	277.00
Total.....	\$63,897.00

JOHN HAYS BAILEY

THE MEXICO BRANCH

The thirty-first Local Branch of the Society of American Bacteriologists has been established by the unanimous affirmative vote of the Council in response to a petition from ten members of the Society residing in Mexico City, Mexico. The boundaries of the new branch are those of the Republic of Mexico. The Society's best wishes for continual growth go to our Mexican neighbors.

CULTURES WANTED

The American Type Culture Collection has received requests for the following cultures which are not at present available in the Collection and

have not been obtainable from its usual circle of collaborators:

Hemophilus gallinarum
Lactobacillus thermophilus
Micrococcus lipolyticus

SOIL MICROBIOLOGY CONFERENCE

A Soil Microbiology Conference will be held at Purdue University, June 21-24, 1954. It will be sponsored by The American Society of Agronomy, The Soil Science Society of America, and Purdue University. Reservations may be made direct through the Union Club, Purdue Memorial Union, West Lafayette, Indiana. The two-and-one-half-

day meeting will feature papers by scientists and administrators, considering the place of soil microbiology in soil science and the contributions which microbiology may make towards the solution of agronomic problems. A question and discussion period will follow each paper.

CANADIAN SOCIETY OF MICROBIOLOGISTS

The annual meeting of the Canadian Society of Microbiologists will be held at Queen's University, Kingston, Ontario, June 24-26, 1954. Dr. N. E. Gibbons, Secretary-Treasurer extends a cordial invitation to any member of the S.A.B. to attend this meeting.

THE REPORT OF THE AD HOC COMMITTEE TO INVESTIGATE THE ANNUAL MEETING

The *Ad Hoc* Committee to investigate the annual meeting met on Thursday, August 13 and the following committee members were present:

W. F. VERWEY, *Chairman*
L. S. MCCLUNG
J. Y. SUGG
H. W. SCHERP

The principle subject discussed was the question of a method of insuring satisfactory facilities for future annual meetings. It was the unanimous opinion of the committee that despite the best efforts of the various local committees, the physical facilities of the last several annual meetings have not been wholly satisfactory.

Dr. McClung presented the results of his preliminary study of the possibility of conducting meetings on university campuses. The committee concurred with Dr. McClung in his opinion that further investigation might find certain campuses very satisfactory as meeting locations and that such locations would afford considerable monetary savings for both the Society and the individual.

Therefore, the committee respectfully makes the following recommendations:

1. In view of the present size and expected increase of Annual Meeting attendance, the committee believes that it is no longer advisable to decide on meeting locations on the basis of invitations from local chapters. Future annual meetings should be limited to a small number of locations that would be carefully selected on the basis of their physical adequacy and geographical distribution. In this selection university campuses as well as cities should be considered.
2. If this procedure is adopted, it is further recommended that the operation of the annual meeting be placed in the hands of our business manager and a small permanent annual meeting committee.
3. Because suitable facilities for holding annual meetings is a problem of the present as well

as the future, it is believed that this procedure should be begun as soon as present commitments permit this to be done.

4. The committee believes that it has completed its work and therefore asks to be discharged.

W. F. VERWEY

JOURNALS FOR SALE AND WANTED

A complete set of the *Journal of Bacteriology*, bound through 1942, is offered for sale by Dr. C. S. Mudge, Department of Bacteriology, University of California, Davis, Cal. Inquiries should be addressed to Dr. Mudge direct.

H. H. Wilkowske of the Agricultural Experiment Stations, Gainesville, Florida wishes to dispose of the file of *Journal of Bacteriology* Vol. 55, 1948 through Vol. 62, 1951 and *Bacteriological Reviews* Vol. 12, 1948 through Vol. 15, 1951.

Dr. Arthur P. Harrison, Jr., Department of Biology, Vanderbilt University, Nashville 5, Tenn. needs the following issues to complete his set of the *Journal* and *Bacteriological Reviews*:

Journal

Volume 31 number 6
Volume 33 number 6
Volume 34 number 3, 4, 5, 6
Volume 44 number 1
Volume 47 number 6

Bacteriological Reviews

Volume 4 number 4
Volume 6 number 2
Volume 7 number 4

SUMMER COURSES, COLD SPRING HARBOR

The Biological Laboratory is offering two specialized summer courses, designed to acquaint research workers with the most important techniques used in bacterial virus research and bacterial genetics. The course on *Bacterial Viruses* will be held from June 21 to July 10, with Dr. Mark H. Adams of New York University in charge; and *Bacterial Genetics* will be conducted from July 14 to August 3 by Drs. E. M. Witkin, V. Bryson, M. Demerec, and staff. A limited number of fellowships covering part of the tuition fees are available for graduate students. Information about these courses may be obtained from the Biological Laboratory, Cold Spring Harbor, New York.

CANADIAN JOURNAL OF MICROBIOLOGY

The National Research Council of Canada announces the publication of a Canadian *Journal of Microbiology*. Dr. R. G. E. Murray, of the Dept. of Bacteriology, University of Western Ontario, has been appointed Editor. The *Journal* will be issued every two months commencing in

August, 1954. The first volume only will consist of nine numbers, i.e., August, 1954 to December, 1955. Thereafter volumes will coincide with the calendar year.

The Journal will publish scientific papers describing research in all phases of microbiology; review papers will not be accepted. Papers will be published in either English or French, and equal consideration will be given to all manuscripts regardless of country of origin.

Manuscripts received by April 1, 1954 will be considered for publication in the first issue. The general instructions to authors given in recent issues of the Canadian Journal of Botany should be followed.

The subscription rate is \$3.00 per volume; inquiries should be sent to: Accounts Officer, National Research Council, Sussex St., Ottawa 2, Canada.

BOOKS RECEIVED

Actinomycetes and Their Antibiotics. Selman A. Waksman and Hubert Lechevalier. Baltimore: The Williams and Wilkins Co. 1953. VII + 246 pp. \$5.00.

Sergei N. Winogradsky, His Life and Work. Selman A. Waksman. New Brunswick: Rutgers University Press. 1953. XV + 150 pp. \$4.00.

General Virology. S. E. Luria. New York: John Wiley and Sons Inc. 1953. XIV + 427 pp. \$8.50.

NEWS OF OUR MEMBERS

Dr. J. R. Porter, Chairman of the Department of Bacteriology, School of Medicine, University of Iowa, has been appointed Chairman of Office of Naval Research Advisory Panel for Microbiology. In addition to Dr. Porter members of this Advisory Panel for Microbiology who are also members of the S.A.B. are: Dr. W. J. Cromartie, University of North Carolina; Dr. Emil Mrak, University of California; Dr. H. R. Morgan, University of Rochester; Dr. W. J. McElroy, The Johns Hopkins University.

The program of the Microbiology Branch of ONR includes projects in bacteriology, virology, parasitology, mycology and immunology. At present this branch has under supervision nearly 90 contracts with 52 universities in 29 states. The investigations supported by these contracts deal with fundamental aspects of problems of importance to the Navy and defense of the nation.

Miss Julia M. Coffey was elected permanent secretary to the Standing Commission of the International Federation of Culture Collections (IFCC) of Microorganisms at the Rome meeting of the International Congress of Microbiology September 8, 1953. The I.F.C.C. was formed in 1947 during the IVth Congress in Copenhagen with Dr. A. J. Kluyver as chairman and now has

65 members in 32 countries. Miss Coffey is in charge of the Collection of Type Cultures at the Division of Laboratories and Research, New York State Department of Health, Albany, N. Y.

After thirty-eight and one-half years of service as director of the Wassermann Laboratory of the Massachusetts Department of Public Health, Dr. William A. Hinton, of Canton, retired on December 31, 1953. Dr. Hinton has been director of the laboratory since the State Health Department initiated its laboratory program for the detection of syphilis in 1915.

Dr. Hinton devised the Hinton test for the detection of syphilis, and with the assistance of Dr. John A. V. Davies, of Children's Hospital, also developed the Davies-Hinton test for the detection of syphilis of the nervous system.

Born in Chicago, December 15, 1883, Dr. Hinton received his B.S. degree from Harvard in 1905 and his M.D. from Harvard Medical School in 1912. He has been a professor of preventive medicine and hygiene at Harvard Medical School (1912-21); a professor at Simmons College (1919-53); an instructor in preventive medicine, bacteriology, hygiene, neuropathology and immunology at Harvard Medical School since 1921; a special consultant to the U. S. Public Health Service since 1935; a director of The Committee on Research and Syphilis, Inc.; and Chief of Clinical Laboratories of the Boston Dispensary (1916-52).

The following is the text of a letter to Dr. Hinton released by Gov. Christian A. Herter of Massachusetts:

"Dr. William A. Hinton
Director of Wassermann Laboratory
Division of Laboratories
375 South Street
Jamaica Plain, Massachusetts

"Dear Dr. Hinton:

"A section of the Constitution of our ancient Commonwealth calls for 'the duties of the legislatures and magistrates to cherish the interests of the sciences.'

"As Governor, it gives me pleasure to commend you officially, both as a noted scientist and also as a faithful servant of the Commonwealth, who, after thirty-eight years of devoted service, now retires—as did the old Roman senators—to a well-deserved "otium cum dignitate."

"Through your pioneer studies and the services of your well-organized laboratory, you have contributed materially and vitally to the relief of the people of the Commonwealth from the scourge of a dreaded disease. Your name is known the world over for singular achievements, which have benefited all of mankind.

"I join with your many friends and colleagues in wishing you many more happy years of wonderful achievement.

"With appreciation and kindest personal regards,

"Very truly yours,
signed
Christian A. Herter"

The first Selman A. Waksman Lectureship Award for outstanding contribution to microbiology was presented on February 19th to Doctor Bernard D. Davis of New York by the New Jersey Branch of American Bacteriologists.

The award, to be conferred annually on a scientist under 40, comprises a lectureship with an honorarium of \$100 and an engraved medal. The presentation was made at the annual banquet of the New Jersey Branch of American Bacteriologists in the Crystal Ballroom of the Elizabeth Carteret Hotel.

Dr. Davis is associated with the tuberculosis research laboratory of the New York Public Health Service. He was honored for his contributions to microbiology through his studies on the biochemical genetics of microorganisms. The title of Dr. Davis's lecture was "Mutants as Metabolic Cartographers."

The award presentation was made by Professor Selman A. Waksman, Nobel Laureate, 1952, in Physiology and Medicine, and Director of the new Institute of Microbiology at Rutgers University. The award was created in Dr. Waksman's honor by the American Bacteriologists of New Jersey. Dr. Waksman discovered streptomycin and other antibiotics.

The Award Selection Committee learned after naming Dr. Davis that Dr. Waksman had had an important role in guiding Dr. Davis into his career in science. While a college student, Dr.

Davis worked during one summer as a laboratory assistant for Professor Waksman when the latter was engaged in his studies in marine microbiology at the Oceanographic Institute in the summertime mecca for biologists, Wood's Hole, Mass.

After receiving his degree from Harvard Medical School in 1940, Dr. Davis interned at Johns Hopkins Hospital, Baltimore. He joined the Public Health Service in 1942 and has been engaged in research for the New York Public Health Service since 1947.

Dr. Davis has published numerous scientific papers in technical journals on his investigations. He addressed the Sixth International Congress of Microbiologists in Rome last September, where he participated in the symposium on microbial metabolism, speaking on recent applications of genetic methods to the study of intermediary metabolism in bacteria.

These investigations have contributed to an understanding of the mode of action of drugs and antibacterial substances in the human body as well as revealing the steps involved in the breakdown and use of various foods by bacteria.

The February 19th banquet and award was under the chairmanship of Dr. Frederick Kull of the CIBA Pharmaceutical Products, Inc., Summit, New Jersey. The award committee includes Dr. R. L. Mayer, also of CIBA Pharmaceutical Products, Inc., chairman; Dr. Vincent Groupe of Rutgers University and Dr. Wayne W. Umbreit, Merck Institute for Medical Research, Rahway. Dr. Walter J. Nickerson of New Brunswick, president of the New Jersey State Bacteriology Society, presided at the banquet.

NEWS AND MEETINGS OF LOCAL BRANCHES

Northern California and Hawaii Branch (H. J. Paff, Secretary-Treasurer)

November 20, 1953. The meeting was held in Hunt Hall, University of California, Davis, Cal. A business meeting preceded the presentation of the following scientific papers:

1. Antimetabolite Activity of Potassium Selenate and Seleno-Methione on the growth of *Chlorella vulgaris*. Alex Shrift, College of Pharmacy, University of California, San Francisco.

2. Utilization of ethanol by acetic acid bacteria. M. R. R. Rao and J. L. Stokes, Western Regional Research Laboratory, Albany, California.

3. Pathogenesis of *Listeria monocytogenes* infections in natural hosts. J. W. Osebold and Taka Inouye, School of Veterinary Medicine, U. of California, Davis.

4. Cultural characteristics of the Pleuropneumonia-like organisms. H. E. Adler and R. Yamamoto, School of Veterinary Medicine, U. of California, Davis.

5. Hydrogenase in *Azotobacter vinelandii*. E. R. Cota-Robles and A. G. Marr, Department of Bacteriology, University of California, Davis.

6. Studies on the antigenicity of dialyzed *Staphylococcus enterotoxin*. P. D. Delay, Division of Animal Industry, State Department of Agriculture, Sacramento.

7. Hydrolysis of oligogalacto-uronides by yeast polygalacturonase. A. L. Demain and H. J. Phaff, Department of Food Technology, U. of California, Davis.

8. Microbial chitin decomposition. D. M. Reynolds, Department of Bacteriology, University of California, Davis.

9. The splitting enzyme intermediate of *Pseudomonas saccharophila*. Joseph MacGee and M. Doudoroff. Department of Bacteriology, U. of California, Berkeley.

Southern California Branch (Frances A. Hallman, Secretary-Treasurer)

November 18, 1953. The annual business meeting of the Branch was held on the Campus of the University of California at Los Angeles, where the following officers for 1954 were elected: President, Dr. William D. Rosenfield; Vice President, Dr. Harrison M. Kurtz; Secretary-Treasurer, Frances A. Hallman; Councilor to S.A.B., Dr. Sidney C. Rittenberg. Following the business meeting the following papers were presented:

1. Report on the Istanbul meeting of the International Congress of Tropical Medicine and Malaria. Dr. John F. Kessal.
2. Report on the Rome meeting of the International Congress for Microbiology, Dr. Meridian Ball.
3. The Current Status of Poliomyelitis. Dr. Charles Pait.
4. Cholera: Eye Witness Report of an Epidemic. Dr. Michel Saleh.

January 21, 1954. At the meeting held at the Los Angeles County General Hospital the following papers were presented:

1. "The Isolation of Unidentified Pleomorphic Bacteria from Blood." Charles M. Carpenter, Elsie Leaman, Doris M. Monroe, and Eric L. Nelson, Department of Infectious Diseases, University of California Medical Center, Los Angeles.
2. "Serum Protein Studies in Experimental Tuberculosis of the Guinea Pig." H. E. Weimer, Jean Redlich-Moshir, Ruth A. Boak, E. Bogen, and C. M. Carpenter, Department of Infectious Diseases, School of Medicine, University of California Medical Center, Los Angeles.
3. "The Vi Antigen of the Ballerup Organism and *Salmonella typhosa*." David C. Y. Chu and Robert R. Hoyt, Cedars of Lebanon Hospital, Los Angeles.
4. "The Microbiology of Citrus Products." Robert L. Kitchell, Exchange Orange Products, Ontario.
5. "Brucella Fermentations." M. J. Pickett and E. L. Nelson, Department of Bacteriology and Department of Infectious Diseases, University of California, Los Angeles.

Colorado-Wyoming Branch (C. R. Bitter, Secretary)

October 17, 1953. At the fall meeting of the Branch held at the Student Union Building of Colorado A. and M. College, Fort Collins, Colo. the following officers were elected: President,

Dr. Sumner M. Morrison; Vice-President, Dr. G. W. Roberstad; Secretary, Dr. C. R. Bitter; Treasurer, Miss Elizabeth O'Toole; Councilor to S.A.B., Dr. Richard Thompson; Alternate, Dr. S. G. Dunlop. The scientific session consisted of a Symposium on Virus-Host Vector Relationships by Dr. W. D. Thomas, Jr., Professor of Botany, Colorado A. and M. College, Professor Leslie B. Daniels, Associate Professor of Entomology, Colorado A. and M. College, Dr. John Winn, Veterinarian, United States Public Health Service, Greeley, Colorado and Dr. S. M. Morrison, Associate Professor of Bacteriology, Colorado A. and M. College, moderator.

Connecticut Valley Branch (Katherine Marden, Secretary-Treasurer)

October 30, 1953. The fall meeting of the Branch was held at Springfield Hospital, Springfield, Mass. at which time the following officers were elected: President, Dr. Robert C. Cleverdon; Vice-President, Dr. Phillip L. Carpenter; Secretary-Treasurer, Miss Katherine Marden; Councilor to S.A.B., Dr. Phillip B. Cowles; Alternate, Dr. James E. Fuller. The following scientific program was presented:

1. I. J. Pflug and W. B. Esselen (University of Massachusetts), "Investigations on the Thermal Resistance of Bacterial Spores."
2. Earl S. Beck and Herbert N. Prince (University of Connecticut), "Preliminary Report of Nutritional Requirements of Some Flavobacteris."
3. Sotiros D. Chaparas and R. B. Czarnecki (University of Massachusetts) "The Effects of Antibiotics on the Morphology of Several Species of Bacteria."
4. H. P. Treffers, N. O. Belser and D. C. Alexander (Yale University) "Genetic Studies on Resistance to Streptomycin and Some of its Derivatives."
5. Elinor V. Smith (Smith College) "The Effect of Heat on the Flagellar Antigens of Representatives of the Family Enterobacteriaceae."
6. Henry Van Roekel and Olga M. Olesiuk (University of Massachusetts) "Etiology of Chronic Respiratory Disease in Poultry."
7. W. L. Belser and M. I. Bunting (Yale University) "Errors Inherent in Routine Application of Prototroph Screening Methods to Systems Other Than *Escherichia coli* K-12."
8. Mark E. Tourtellotte (University of Connecticut) "Carbon Compounds Utilized by *Alcaligenes* and *Agrobacterium*."

Following a dinner at the Springfield Hospital Dining Room the Guest Lecture was presented by Dr. Ernest Caspari, Department of Biology, Wesleyan University, who spoke on "Mutations in Bacteriology."

Indiana Branch (Ona R. Whitley,
Secretary-Treasurer)

November 6, 1953. The Fall meeting was held jointly with the Bacteriology Division of the Indiana Academy of Science at Earlham College, Richmond, Ind. The following scientific papers were read:

Guest Speaker: Dr. G. M. Dack, President, Society of American Bacteriologists, Food Research Institute, University of Chicago. Topic: *Present Day Problems in Food Poisoning.*

11:15 A.M.—Forenoon Session—Dennis Science Hall—Room 110. Brief Business Meeting of the Bacteriology Section of Indiana Academy of Science. Presiding: Dr. L. S. McClung, Indiana University, Chairman, Bacteriology Section, Indiana Academy of Science.

Scientific Papers: (Time Limit: 10 minutes).

1. Intracellular Inclusions in a *Gaulobacter* Species. E. A. Grula and S. E. Hartsell, Purdue University.

2. An Experimental Study of the Nature of Bacterial Pyrogens. Paul D. Ellner, University of Southern California (Now at Indiana University).

3. A Synthetic Medium for Candidicin Production. R. F. Acker, H. Lechavalier and S. A. Waksman, Rutgers University. (Dr. Ackers is now at Purdue University).

4. Microscope Studies of Red Cell Agglutination. Joseph Carlin and Mervin Moskowitz, Purdue University.

5. Phenol Extraction of Red Cell Altering Factor of *Streptococci*. Mervin Moskowitz, Barbara Thompson and Alexander Sonnenwirth, Purdue University.

6. Effect of Daraprim in Experimental Toxoplasmosis. W. A. Summers, Indiana University Medical School.

7. Tracer Studies on Threonine Biosynthesis and Metabolism by *Neurospora* Mutants. Harold R. Garner, Purdue University.

8. Recent Advances in the Preparation of Antirabic Vaccines Containing Inactivated Virus. H. M. Powell and C. G. Culbertson, Biological Research, Eli Lilly and Company.

9. The Electron Microscopy of the Lysis of *Micrococcus lysodeikticus* with Lysozyme. E. A. Grula and S. E. Hartsell, Purdue University.

10. The Genus *Clostridium*—Advance in the Last Decade. L. S. McClung, Indiana University.

Intermountain Branch (Lewis W. Jones,
Secretary-Treasurer)

November 21, 1953. The thirteenth semiannual meeting of the Branch was held at Weber College, Ogden, Utah. The following papers comprised the scientific session:

1. The Effect of Partial Sterilization of Soil with Ethylene Dibromide upon the Microbial

Activities of the Soil. Robert E. Lee, Lewis W. Jones, Utah State Agr. College, Logan, Utah.

2. Statistical Considerations in the Use of the Membrane Filter. Clifford I. Argall and Russell S. Fraser, Div. of Labs. Utah State Dept. of Health, Salt Lake City.

3. Chemotherapy of Experimental Poliomyelitis. L. P. Gebhardt, J. G. Bachtold, W. C. Wilcox, and H. C. Bubel, Bacteriology Dept. Univ. of Utah, Salt Lake City.

4. The Effect of X-Irradiation on *Achromobacter fischeri*. Robert Higginbotham and J. Z. Bowers, School of Medicine Univ. of Utah, SLC.

5. Survival of *Escherichia coli* in the Water of Great Salt Lake. Russell S. Fraser and Clifford I. Argall, Div. of Labs., Utah State Dept. of Health, Salt Lake City.

6. Purine Synthesis by Microorganisms, Jay V. Beck, Bacteriology Dept., Brigham Young Univ., Provo.

7. Serologic Characteristics of Four Systemically Pathogenic Fungi. Gilbert A. Hill and Stanley Marcus, Bacteriology Dept., Univ. of Utah, SLC.

8. Studies on Bacteriophage Typing of *Staphylococci*. Marcus M. Jensen and Garth A. James, Bacteriology Dept., Utah State Agricultural College, Logan.

9. A Transparent Slide Holder for Microscopic Serologic tests. W. F. Wood, Div. of Labs., Utah State Dept. of Health, Salt Lake City, (To be read by C. H. Blank.)

Maryland Branch (R. J. Allgeier, Secretary)

November 23, 1953. At the meeting held in the Bennet Hall auditorium of the Maryland State Department of Health, Baltimore, the following papers comprised the scientific session:

1. Preservation of Bacteria by Freezing with Glycerol. David H. Hollander, M.D. and E. Ellen Nell, M.S., Dept. of Microbiology, School of Hygiene and Public Health, Johns Hopkins University.

2. Observations on the Nutritional Requirements of *Lactobacillus bifidus* Isolated from Turkeys and Chicks. Francis Veltre, University of Maryland.

3. Evidence that a Filterable Agent in A K R Leukemic Tissue Causes the Development of Leukemia and a Sarcoma in Mice. Sarah E. Stewart, M.D., Ph.D.

Maryland Branch (C. Baxter McLaughlin,
Secretary-Treasurer)

December 15, 1953. The following officers were elected for the year 1954 at the meeting held at Reichert's Alpine Villa, Baltimore: President, Dr. Ronald N. Wood, Johns Hopkins Hospital; Vice-President, Dr. R. J. Allgeier, U. S. Industrial Chemicals Co.; Secretary-Treasurer, M. C.

Baxter McLaughlin, Hynson Westcott and Dunning; Councilor to the S.A.B., Dr. Harriette D. Vera, Baltimore Biological Laboratory. The scientific session following the business meeting consisted of the following papers:

1. Field Studies in the Far East with Special Emphasis on Far Eastern Hemorrhagic Fever. Dr. George O. Gey, Associate Professor of Medicine, Director of Tissue Culture Laboratory, Johns Hopkins University and Hospital.

2. In and Out of European Laboratories. Dr. Harriette D. Vera, Research Bacteriologist, Baltimore Biological Laboratory, Inc., Baltimore, Maryland.

February 3, 1954. The Branch met for a dinner meeting at the Marylander Apartments, Baltimore. The scientific session, following the business meeting, consisted of the following papers:

1. Therapeutic Significance of an Antibacterial Serum Test. A. Murray Fisher, Department of Medicine, Johns Hopkins University Medical School.

2. Immunization and Poliomyelitis—Past, Present and Future. Howard A. Howe, Johns Hopkins University School of Hygiene and Public Health.

Michigan Branch (Elizabeth J. Cope, Secretary-Treasurer)

December 5, 1953. At the annual business meeting held at the Sheraton-Cadillac Hotel the following officers were elected for 1954: President, Dr. John Ehrlich; Vice-President, Dr. William W. Ferguson; Secretary-Treasurer, Elizabeth J. Cope; Councilor, Mr. Raymond Sarber. The scientific session consisted of the following program:

1. Gamma Ray Sterilization of Canned Meat Inoculated with Spores. J. T. Graikoski, L. L. Kempe, and R. T. Gillies, Dept. of Bacteriology, University of Michigan.

2. Studies on the Role of Alanine Racemase in the Germination of Spores from Aerobic Bacteria. Brooks D. Church and Harlyn O. Halvorson, Dept. of Bacteriology, University of Michigan.

3. The Effects of Ultraviolet Irradiation on Normal and Cytochrome Deficient Yeast Strains. Dr. Caroline A. Raut, Detroit Institute of Cancer Research and Dept. of Microbiology, Wayne University.

4. A Tissue Culture Study of Resistant and Susceptible Tissues to Newcastle Disease Virus. Lenore Jones, Dept. of Bacteriology and Public Health, Michigan State College.

5. Laboratory Studies of Antibiotics in Relation to Moniliasis. Arthur B. Hillegas and Marian Patterson, Research Division, Parke-Davis Company.

7. Colonial Variation of *Listeria monocytogenes*. M. L. Gray, Department of Animal Pathology, Michigan State College.

8. A Chemically Defined Medium for the

Growth of *Cephalosporium salmonsynnematum* 3590A. M. A. Pisano, B. H. Olson, and C. L. SanClemente, Michigan Dept. of Health and Dept. of Bacteriology and Public Health, Michigan State College.

9. The Effect of Various Sealing Pressures on the Per cent Livability of *Serratia Marcescens* and *Micrococcus pyogenes* var. *Aureus* Desiccated from the Frozen State. Jack J. Stockton and Robert T. Christian, Dept. of Bacteriology and Public Health, Michigan State College.

10. Antibody Response in Epidemic Diarrhea of the Newborn. Cyril Stulberg, W. W. Zuelzer, and C. R. Eidam, Child Research Center, Childrens Hospital of Michigan, Detroit, Michigan.

11. The Influence of Environmental Conditions on Growth and Dissociation of *Brucella*. Evelyn Sanders and I. F. Huddleson, Dept. of Bacteriology and Public Health, Michigan State College.

12. The Effect of Hydrogen Peroxide Concentrations on Catalase Activity of Bacteria. Marvis Richardson, and I. F. Huddleson, Dept. of Bacteriology and Public Health, Michigan State College.

Eastern Missouri Branch (Lucille K. Schultze, Secretary-Treasurer)

October 31, 1953. The Fifty-Second Meeting of the Eastern Missouri Branch of the Society of American Bacteriologists was held at the Wohl Health Center, 1528 North Kingshighway Boulevard, St. Louis, Missouri. The program selected was as follows:

1. Comparative Handwashing Studies of Two Related Bis-Phenols. D. P. Roman, H. G. Hurst, and J. G. Kleyn, Organic Division Research Department, Monsanto Chemical Company, St. Louis, Missouri.

2. The Effect of Exposure to Radiation on Susceptibility to Infection, I. L. Shechmeister, Department of Bacteriology, Washington University School of Dentistry, 4559 Scott Avenue, St. Louis, Missouri.

3. Effectiveness of Various Germicides as Measured by the Black and Weber Method, Nicholas D. Duffett, Director of Public Health Laboratories, St. Louis Health Division.

4. Combined business meeting and a report from our councilor, Dr. George F. Reddish on discussions held in San Francisco, California at the National S.A.B. Meeting, August 10-14, 1953 by the Council of the Society.

5. Effect of Bacterial Neurotoxins on Experimental Neurotropic Viral Infections, L. F. Laskowski, George W. Fox, and Henry Pinkerton, Department of Bacteriology and Pathology, St. Louis University School of Medicine, St. Louis, Missouri.

January 9, 1954. The fifty-third meeting of the

Eastern Missouri Branch of the Society of American Bacteriologists was held at the Wohl Health Center, 1528 North Kingshighway Boulevard. The following program was presented.

1. Lactose Adaptation in *Klebsiella pneumoniae*. Dr. Victor J. Cabelli, Department of Bacteriology and Preventive Medicine, University of Missouri, Columbia, Missouri.

2. Functions of Army Area Laboratories. Lt. Colonel Robert L. Cavanaugh and Lt. John K. Read, Fifth Army Area Laboratories, Mart Building, St. Louis, Missouri.

3. Electron Microscopy of Early Cytoplasmic Changes Due to Influenza Virus. Carl G. Harford, M.D., Department of Internal Medicine, Washington University School of Medicine, St. Louis, Missouri.

4. The Use of Serial Hemagglutination Tests in Following the Course of Tuberculosis in Children. Virginia H. Peden, M.D., Keith E. Vincent, M.D., Dr. Edith M. Rich, Department of Pediatrics, City Hospital, St. Louis, Missouri.

5. Film: Triple Threat of Brucellosis. United States Division of Agriculture, Bureau of Animal Industry.

The following officers were elected for the term ending December 1954: President, Dr. John C. Kleyn; Vice-President, Dr. I. L. Schechmeister; Secretary-Treasurer, Lucille K. Schultze; Councilor, Dr. G. F. Reddish; Alternate Councilor, Dr. Leonard F. Laskowski, Jr. (term expires 1956). Drs. H. A. Hoffman and Edith M. Rich were elected to the Executive Committee.

New Jersey Branch (Theobald Smith Society)
(Marjorie A. Darken, Secretary-Treasurer)

October 22, 1953. The meeting was held at the Agricultural Experiment Station, New Brunswick. Dr. Donald M. MacLeod, Laboratory of Insect Pathology, Sault Ste. Marie, Ontario, Division of Forest Biology, Canadian Dept. of Agriculture. "The Biology of Entomogenous Fungi—Their Importance in the Control of Insect Pests."

November 19, 1953. At the meeting held at the Research Center of Johnson and Johnson, New Brunswick, the following papers were presented: J. O. Lampen, Squibb Division, Mathieson Chemical Corp. Mechanism of Pentose Fermentation by Lactobacilli with Special Reference to Xylose and L-Arabinose Fermentation. D. J. O'Kane, Dept. of Botany, University of Pennsylvania, Bacterial Pyruvate Systems and the Pyruvate Oxidation Factor.

December 17, 1953. The following papers were presented at the meeting held at the Agricultural Experiment Station, New Brunswick:

1. Dr. Mark H. Adams, College of Medicine, New York University. "The Genetics of Bacteriophages."

2. Certification of Bacteriologists.

- a. Background of the certification movement.
- b. Significance of certification for medical bacteriologists.

Speakers: Dr. Vincent Groupe, Department of Microbiology, Rutgers University, Councilor of New Jersey Branch, S.A.B. Dr. R. L. Mayer, Head, Division of Microbiology, Ciba Pharmaceutical Products, Summit.

January 21, 1954. The Branch met at the Ciba Pharmaceutical Products Laboratories, Summit, N. J. for the following program:

1. Dr. Aaron Bendich, Sloan Kettering Institute. Studies on the metabolism of nucleic acid and its implications in the chemotherapy of cancer.

2. Dr. Earle H. Spaulding, Dept. of Bacteriology, Temple University School of Medicine, Chairman of the Committee on Certification of the S.A.B. Recent developments in certification.

New York City Branch (M. Weber, Secretary-Treasurer)

January 6, 1954. The sixty-fifth meeting of the New York City Branch was a luncheon meeting at the Hotel Statler. Professor James A. Reyniers, Director, Lobund Institute, University of Notre Dame, South Bend, Indiana was the guest speaker and spoke on the use of bacteria-free animals in research. Following the business meeting the following papers were presented at the two scientific sessions:

SECTION A

MERRILL W. CHASE, Presiding

A1. Further study of the acid-fast pleomorphic organism consistently isolated from the blood of leprosy patients. Eleanor Alexander-Jackson, 390 Riverside Drive, New York. (10 min.)

A2. A new method for antibiotic sensitivity tests. Lewis H. Schwarz and Bernard A. Brown, 609 Sackman St., Brooklyn 12, N. Y., and USAF Hospital, Chanute Air Force Base, Rantoul, Ill. (10 min.)

A3. The reaction of certain phytoagglutinins with Flexner-Jobling carcinoma cells of the rat. Gerard van Halsema, Chas. Pfizer & Co., Inc., Brooklyn, N. Y. (10 min.)

A4. The use of infrared spectroscopy in a study of bacterial resistance. Frederick C. Kull and Madelon R. Grimm, Ciba Pharmaceutical Products, Inc., Summit, N. J. (10 min.)

A5. The effects of pH, anaerobiasis, and lactic acid on the survival of bacteria in vitro. David W. Weiss and Rene J. Dubos, The Rockefeller Institute for Medical Research, N. Y. (15 min.)

A6. Antituberculous activity of substituted thioureas. P. C. Eisman, E. A. Konopka, and

R. L. Mayer, Research Department, Ciba Pharmaceutical Products, Inc., Summit, N. J. (15 min.)

A7. Joint session with Section B for report on the VIth. International Congress of Microbiology.

SECTION B

SEYMOUR H. HUTNER, *Presiding*

B1. Relationships between endogenous respiration and substrate oxidation in *Neurospora crassa*. Joseph Q. Heplar, Stanford University, Calif. (Present address: Biological Laboratory, Cold Spring Harbor, N. Y.) (10 min.)

B2. Mechanism of methane production by methane bacteria. Martin J. Pine, Department of Microbiology, Yale University, New Haven, Conn.* (15 min.)

B3. Inhibition by purines and folic acid analogues. Sheldon Greer, Department of Zoology, Columbia University.* (10 min.)

B4. The effect of 2,4-dinitrophenol on survival, mutation, and photo-reactivation of *E. coli* B/r following exposure to ultra-violet light. Lewis Jacobs, Department of Zoology, Columbia University, N. Y.* (10 min.)

B5. Nutrition of a *Caulobacter* sp., a predatory bacterium. Milton K. Goldberg, Haskins Laboratories, N. Y. (10 min.)

B6. Mutations of thermophilic bacilli. Herman Baker and H. Sobotka, Haskins Laboratories and Department of Chemistry, Mt. Sinai Hospital, N. Y. (10 min.)

B7. Degeneration of a *Streptomyces griseus* mutant. David Perlman, R. B. Greenfield, Jr., and E. O'Brien, E. R. Squibb and Sons, New Brunswick, N. J. (10 min.)

B8. Reports on the VIth. International Congress of Microbiology in Rome, with Kodachromes. Bernard D. Davis, Chairman; Gladys L. Hobby, Selma M. Shultz, Florence M. Stone, Hubert Bloch,* M. W. Chase.

Ohio Branch (D. T. Maunder, Secretary)

December 5, 1953. The Ohio Branch met on the Ohio State University Campus, Columbus, Ohio for the following program:

1. "Some physico-chemical changes induced in casein by *Streptococcus agalactiae*." G. W. Malaney, H. H. Weiser and Quentin Van Winkle, Departments of Bacteriology and Chemistry, The Ohio State University, Columbus.

2. "Effect of various factors on dextran production by *Leucomostoc mesenteroides*." M. K. Hamdy, G. L. Stahly and H. H. Weiser, Department of Bacteriology, The Ohio State University, Columbus.

3. "Comparison between lyophilized acidophilus and acidophilus milk implantation." S.

* By invitation.

DeGroot and S. Saslaw, University Hospital, The Ohio State University, Columbus.

4. "The mode of action of pneumococcal polysaccharide in inducing 'immunological paralysis'." O. K. Stark, Department of Bacteriology, Miami University, Oxford.

5. "Paper diffusion of thermal and natural streptococcal antibody." E. C. Rosenow, Research Laboratories, Longview Hospital, Cincinnati.

6. "Demonstration of an *Escherichia coli* B antigen by means of hemagglutination." W. E. Wheeler and Jane Taylor, Department of Pediatrics, The Ohio State University, Columbus.

7. "Media for isolating fungi from polluted water." Wm. B. Cooke, Bacteriology Section, Environmental Health Center, U.S.P.H.S., Cincinnati.

8. "The effect of the inhalation of penicillin dust on the microflora of the upper respiratory tract." D. S. Yohn, J. N. Baldwin and J. W. Riddle, Department of Bacteriology, The Ohio State University, Columbus.

9. "Studies on the resistance and susceptibility of mice to *Histoplasma* infection." John Schaeffer and S. Saslaw, University Hospital, The Ohio State University, Columbus.

10. "Otototoxicity of a non-streptomycin type antibiotic." R. E. Bookman, J. K. Smith, and F. J. Murray, Department of Microbiology, The Wm. S. Merrell Company, Cincinnati.

11. "Etiology of Kaposi's Varicelliform Eruption." Isaac Ruchman, Department of Bacteriology, University of Cincinnati College of Medicine, Cincinnati.

12. "Antigenic modifications of erythrocytes produced by Newcastle disease and Influenza viruses." J. H. Wallace, D. S. Mabry, M. C. Dodd, and Claude-Starr Wright, Departments of Bacteriology and Medicine, The Ohio State University, Columbus.

13. "Phagocytosis of virus modified erythrocytes by tissue culture macrophages." D. S. Mabry, J. H. Wallace, M. C. Dodd and Claude-Starr Wright, Departments of Bacteriology and Medicine, The Ohio State University, Columbus.

Eastern Pennsylvania Branch (Ruth E. Miller, Secretary-Treasurer)

November 24, 1953. The 238th meeting was held in the auditorium of the Philadelphia County Medical Society, Philadelphia. At the business meeting held before the program the following officers were elected: President, Ruth E. Miller, Secretary-Treasurer, Theodore Anderson, Councilor to S.A.B., Ned B. Williams, Alternate, Daniel J. O'Kane.

The scientific program consisted of the following two papers: Amino acid requirements of yeasts in relationship to biotin deficiency. Albert G.

Moat, Ph.D. and Ellen Emmons, B.S., Department of Bacteriology, Hahnemann Medical College.

False positive serologic reactions for syphilis with special reference to the *Treponema pallidum* immobilization test. John A. Kolmer, M.D., and Elsa R. Lynch, R. T., Institute of Public Health and Preventive Medicine, Temple University.

Eastern Pennsylvania Branch (Theodore G. Anderson, Secretary-Treasurer)

January 26, 1954. The 239th meeting of the Branch was held in the auditorium of the Philadelphia County Medical Society Building, where the following papers were presented:

1. Adaptation of Influenza Virus to Mice. W. A. Cassel, B. A. Briody, Jean Lytel and Mary Fearing, Langbord Virus Laboratory, Hahnemann Medical College.

2. Effect of *Stilbamidine Therapy* on experimental Blastomyces dermatitidis Infections in Mice. Margaret King West and W. F. Verway, Research Laboratories, Sharpe and Dohme Division of Merck and Co., Inc.

3. Further Studies on the Transfer of Lymph Node Cells. T. N. Harris and Susanna Harris, The Children's Hospital of Philadelphia, University of Pennsylvania.

Rio de Janeiro Branch (A. Cury, Secretary-Treasurer)

August 27, 1953. Brazilian Press Association Building, Rio de Janeiro, Brazil.

1. Glycoproteins in Negri bodies revealed by histochemical technique. Bruno Alipio Lobo and Paulo de Góes, Laboratory of Histology, Medical School and Laboratory of Microbiology, School of Pharmacy, Universidade do Brasil, Rio de Janeiro.

2. Isolation of viruses of the Coxsackie group in Rio de Janeiro. J. Travassos, M. Bruno Lobo, D. De Paola, and Paulo de Góes, Laboratory of Microbiology, School of Pharmacy, Universidade do Brasil, Rio de Janeiro.

3. How to avoid infectious aerosols in bacteriological techniques. Milton T. Mello, Instituto Oswaldo Cruz, Rio de Janeiro.

South Central Branch (Ruth Mayne, Secretary-Treasurer)

December 5, 1953. The fall meeting of the branch was held at the Richardson Memorial Building on the uptown campus of Tulane University. The following officers were elected to serve until December 1954: President, Miss Helen E. Levy, Louisiana State University, Baton Rouge, La.; Vice-President, Miss Cornelia Eddy, Tulane University, New Orleans, La.; Secretary-Treasurer, Miss Ruth Mayne, New Orleans; Councilor, Dr. Marion Hood, Charity Hospital, New Orleans.

The Vice-President was designated alternate councilor. The scientific session consisted of the following papers:

1. Evaluation of a Test for the Virulence of *Mycobacterium tuberculosis*. Donald E. Hughes, Emma S. Moss, Marion Hood and Margaret Henson, Charity Hospital of Louisiana, New Orleans, La.

2. A Rapid Disc Method for Determining the Vitamin Requirements of Yeasts. Neale S. Christman and John S. Christman, Department of Agricultural Chemistry and Biochemistry, La. Agric. Experiment Station, Louisiana State University, Baton Rouge, La.

3. Bacteremia with Bacillary Dysentery. Margaret Henson, Charity Hospital of Louisiana, New Orleans, La.

4. A Case Report: Isolation of *Actinomyces israeli* from Sternal Bone Marrow. Peggy Ann Lambert, Ochsner Foundation Hospital, New Orleans, La.

5. Infection of Man with an Avirulent Strain of *Rickettsia prowazekii* (Strain E). Martha G. Everitt and John P. Fox, Department of Tropical Medicine and Public Health, Tulane University Medical School, New Orleans, La.

6. Some Factors Affecting the Total Plate Count in the Examination of Shucked Oysters. James B. Hyndman, Food and Drug Administration, New Orleans, La. (Tentative)

Texas Branch (R. P. Williams, Secretary-Treasurer)

October 30, 1953. The two day Fall meeting was held at the Texas Medical Association Library Auditorium, Austin, Texas, at which time the following officers were elected for 1954: President, Orville Wyss; Vice-President, Robert Pike; Secretary-Treasurer, R. P. Williams; Councilor to S.A.B., C. E. Lankford; Alternate, Vernon T. Schuhardt. The scientific session consisted of the following papers:

1. A preliminary trial of the polyphosphate method of Jacobs and Gillis for the purification of diphtheria toxoid. M. K. Dulaney and L. Gerhardt, Biologics Division, Texas State Department of Health, Austin.

2. Preliminary results on the preservation of vaccinia virus by freeze-drying with various stabilizers. P. J. Forsyth and E. B. M. Cook, Biologics Division, Texas State Department of Health, Austin.

3. Population changes in gonococcus cultures with reference to colonial types. Mrs. Alice Conklin and C. E. Lankford, Department of Bacteriology, The University of Texas, Austin.

4. A comparative study of antibiotic sensitivity tests with an evaluation in treated patients. Sol Haberman, Baylor University Hospital, Dallas.

5. Use of hemoglobin indicator for rapid method of determining antibiotic sensitivity of microorganisms. J. L. W. Jackson, W. E. Dye and R. B. Mitchell, Department of Microbiology, USAF School of Aviation Medicine, Randolph Field.

6. Agar diffusion method for estimating antimicrobial activity of combinations of chemotherapeutic agents. W. E. Dye, R. B. Mitchell and J. L. W. Jackson, Department of Microbiology, USAF School of Aviation Medicine, Randolph Field.

7. Infrared absorption studies on virus preparations. Albert A. Benedict, Virus Research Laboratory, The University of Texas Medical Branch, Galveston.

8. Viral oncolysis with human tumors. Morris Pollard and Clifford D. Snyder, Virus Research Laboratory, and Department of Surgery, The University of Texas Medical Branch, Galveston.

9. Growth in sub-bacteriostatic concentrations of streptomycin and the emergence of resistance. Eugene D. Rosenblum, Department of Microbiology, Southwestern Medical School of The University of Texas, Dallas.

10. Alteration of bacterial flora of the bowel following intestinal antiseptics. Edgar J. Poth and Maurice Adams, Surgical Research Laboratory, The University of Texas Medical Branch, Galveston.

11. The use of K-agar for the growth of organisms used in the production of bacterial vaccines. J. Feild, R. A. Grote and E. B. M. Cook, Biologics Division, Texas State Department of Health, Austin.

12. The disposal of radioiodinated antirickettsial homologous gamma globulin in control and specifically immunized rabbits. Ludwig Anigstein, Dorothy Whitney and William Barnes, Rickettsial Research Laboratory, The University of Texas Medical Branch, Galveston.

13. Influence of antigen impurities upon adsorption-agglutination of tannic acid treated red cells. Paul Donaldson, Department of Microbiology, Southwestern Medical School of The University of Texas, Dallas.

14. Current studies on anthrax in Texas. Kenneth L. Burdon and Reuben D. Wende, Department of Microbiology, Baylor University College of Medicine, and Houston City Health Department Laboratory, Houston.

15. The nucleic acid content of virulent and avirulent anthrax organisms. E. O. Bennett and R. P. Williams, Department of Biology, University of Houston, and Dept. of Microbiology, Baylor University College of Medicine, Houston.

16. Notes on the Sixth International Congress of Microbiology held at Rome, September 6-12, 1953. Frank B. Engley, Department of Bacteriology, The University of Texas Medical Branch, Galveston.

17. Oxygen Tension as a possible factor in the virulence of the tubercle bacillus. L. Ruth Guy, Sidney Raffel and C. E. Clifton, Parkland Hospital, and Southwestern Medical School of The University of Texas, Dallas, and Stanford University, San Francisco.

18. The growth of pleuropneumonia-like organisms of human origin. Robert Keller* and Harry E. Morton, Department of Microbiology and the Institute for Study of Venereal Diseases, University of Pennsylvania, Philadelphia (*Present Address: The University of Texas M. D. Anderson Hospital for Cancer Research, Houston).

19. Yeast extract starch bicarbonate agar in recovery of drastically heated *Clostridium* spores. E. Staten Wynne, William R. Schnieding and George Day, The University of Texas M. D. Anderson Hospital for Cancer Research, Houston.

20. The proteolytic action of *Streptococcus lactis* in milk. W. Carl van der Zant, Texas A. and M. College, College Station.

21. Observations on the inhibition of certain fungi by testosterone propionate. Enrique Leal, Jack R. Whitaker, and Robert L. Ingersoll, the Laboratory Service, Brooke Army Hospital, Brooke Army Medical Center, Ft. Sam Houston.

The I. M. Lewis Lecture was given October 30th by Riley D. Housewright, Chief, Medical Bacteriology, Division Biological Laboratories, Chemical Corp., Camp Detrick, Frederick, Md. Dr. Housewright spoke on "Some Chemical and Biological Activities of *Bacillus Anthracis* and *Bacillus subtilis*".

Washington Branch (Bernice Eddy, Secretary-Treasurer)

December 1, 1953. The 194th meeting of the branch was held in the auditorium of the Army Medical Service Graduate School. The following paper was presented:

"The Shortage of Brainpower". Dr. Howard A. Meyerhoff, President, Scientific Manpower Commission, Washington, D. C.

January 26, 1954. The 195th meeting of the branch was held in the auditorium of the Army Medical Service Graduate School. The following papers were presented:

1. Microbiology of Meat Curing Brines. William L. Sulzbacher, Animal Husbandry Division, Bureau of Animal Industry, Beltsville, Md.

2. Effect of Chloramphenicol on Phosphorylation of *Escherichia coli*. Fred E. Hahn and Charles L. Wiseman, Department of Virus and Rickettsial Diseases, Army Medical Service Graduate School.

3. The Use of the Chick in Titration of Diptheria Antitoxin. Sara E. Branham and Marion F. Wormald, Laboratory of Biologics Control, National Microbiological Institute, National Institutes of Health, Bethesda, Md.

NEW MEMBERS

New active members

November 1st 1953–February 8th, 1954

Adler, Howard L., Department of Bacteriology, Stocking Hall, Cornell University, Ithaca, N. Y.
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